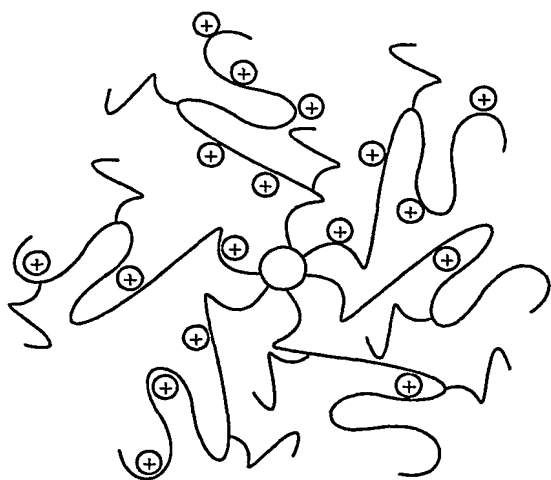
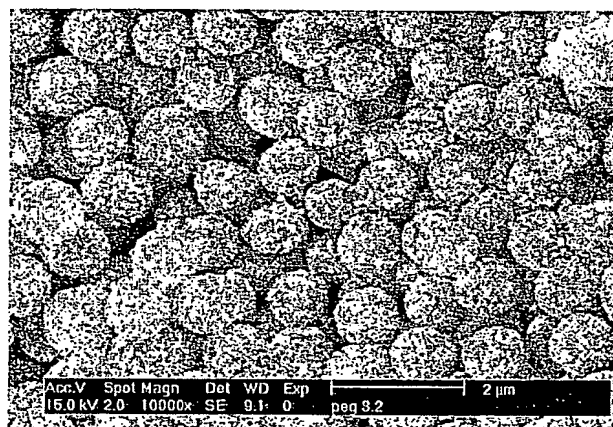


**Figure 1**



Core-wide corona

**Figure 2**



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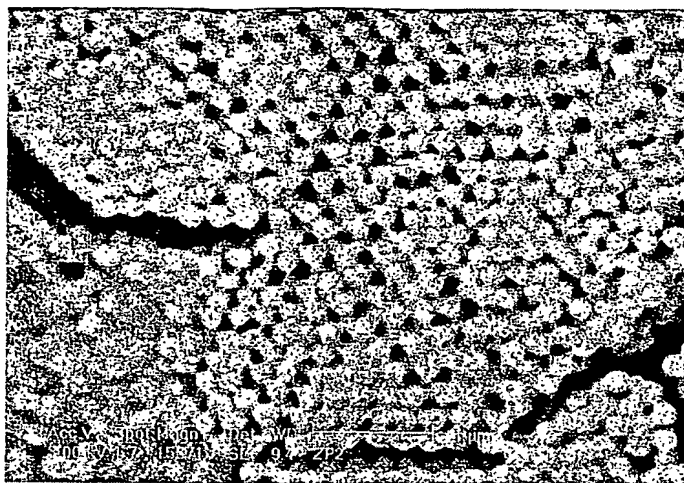


Figure 3. SEM micrograph of sample ZP2.

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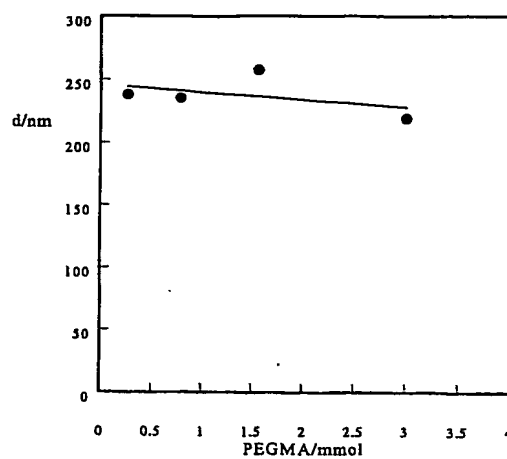


Figure 4. Nanoparticle size trend as a function of the non ionic polymer 2 concentration.

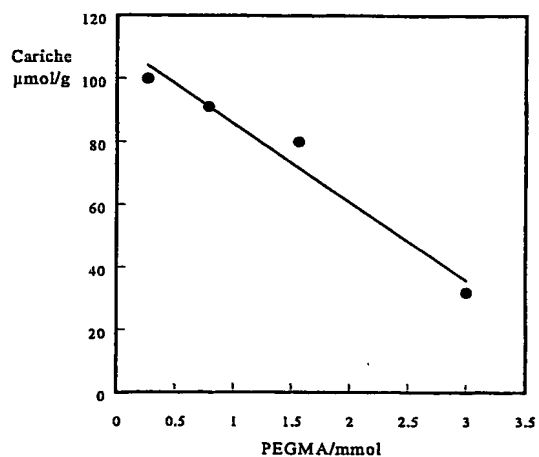
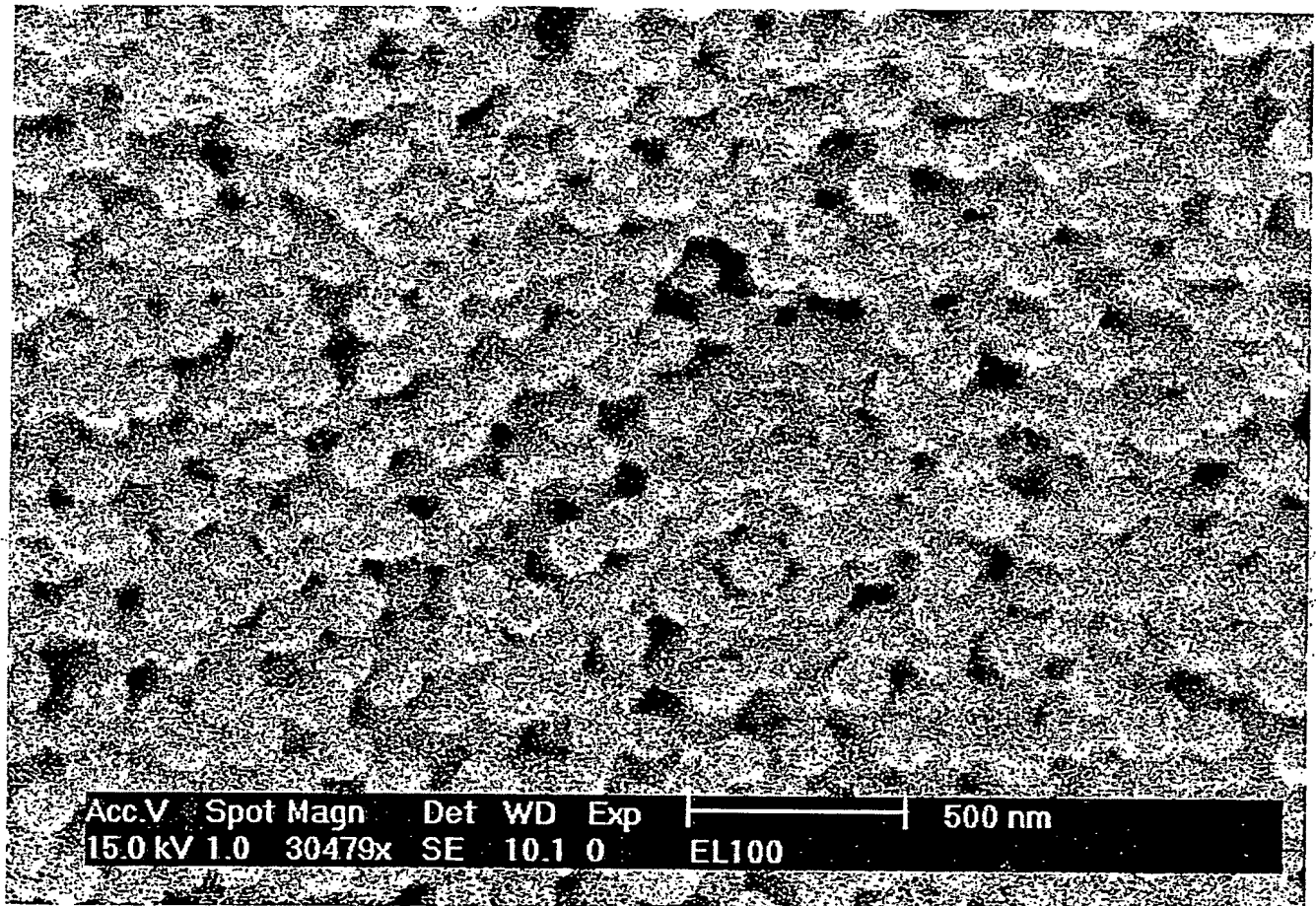


Figure 5. Trend of the quaternary ammonium group amount per gram of nanoparticles in the sample series as a function of the non-ionic comonomer 2 concentration.

Figure 6



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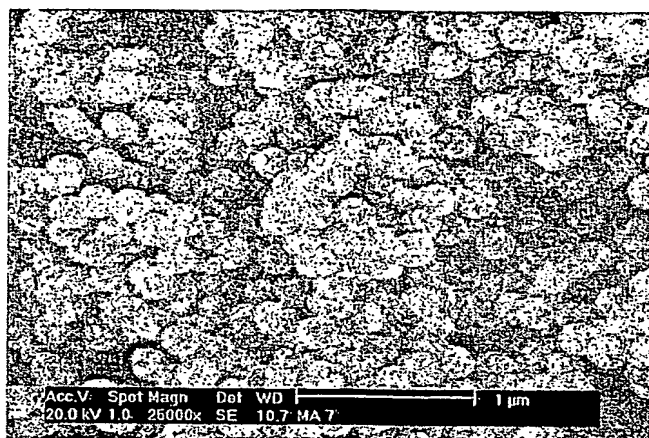


Figure 7. SEM micrograph of sample MA7.

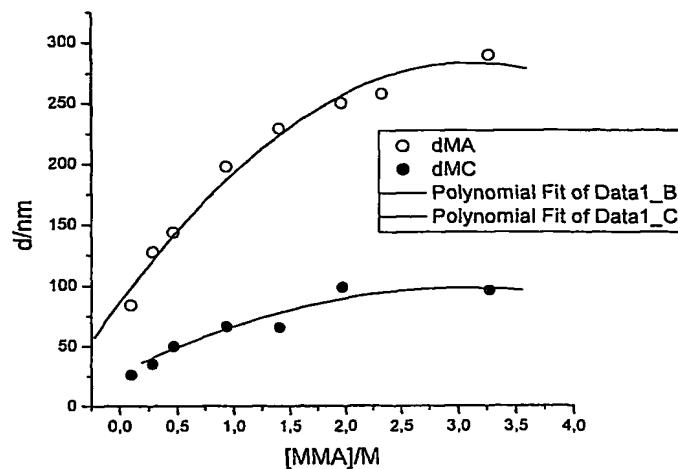


Figure 8A. Nanoparticle size trend as a function of the MMA concentration (linear plot).

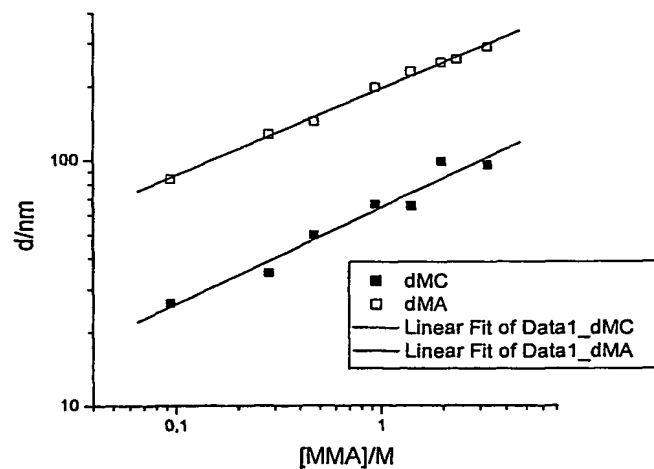


Figure 8B. Nanoparticle size trend as a function of the MMA concentration (logarithmic plot).



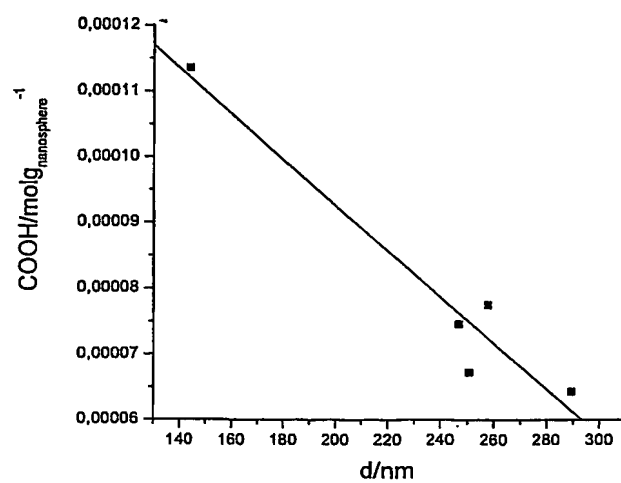
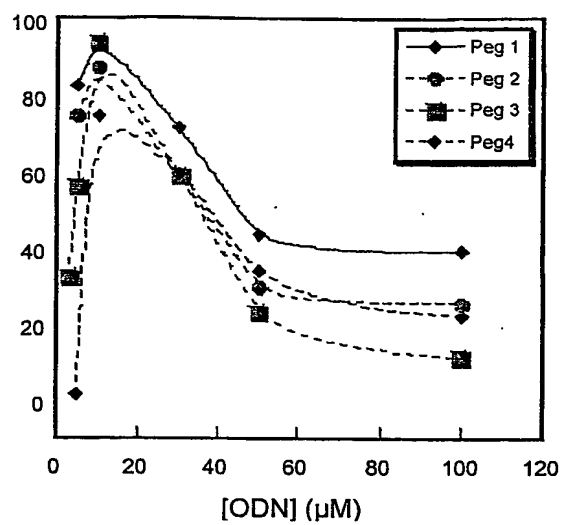
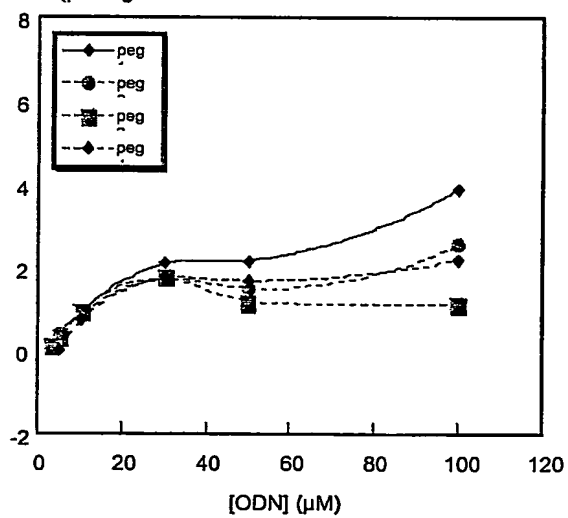


Figure 9. Carboxylic group amount on the nanoparticle sample series MAn as a function of the nanoparticle diameter.

Figure 10

Adsorbed ODN (%)

Adsorbed ODN  
(μmol/g)

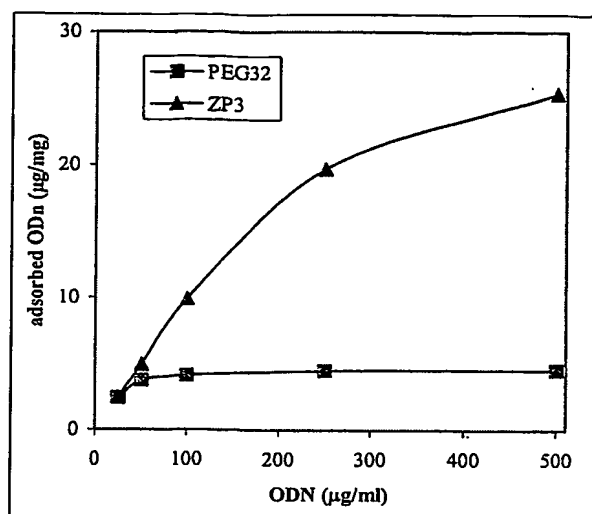


Figure 11: ODN adsorption on Pegylated nanoparticles.

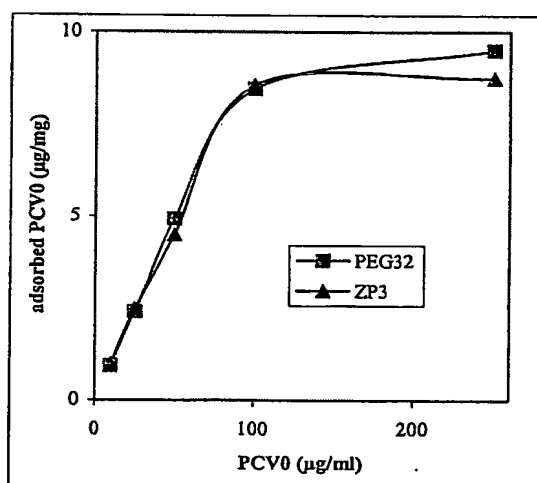


Figure 12. DNA adsorption on pegylated nanoparticles.

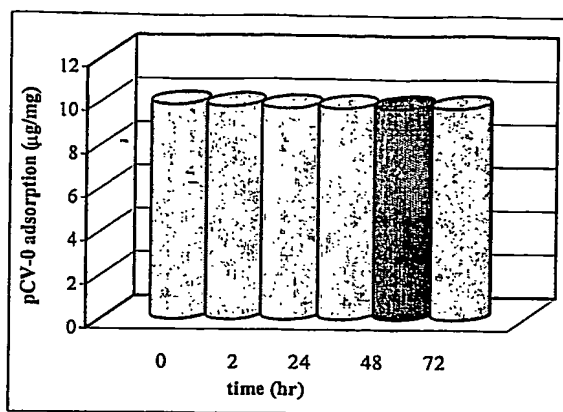


Figure 13. DNA/PEG32 complex stability in PBS buffer.

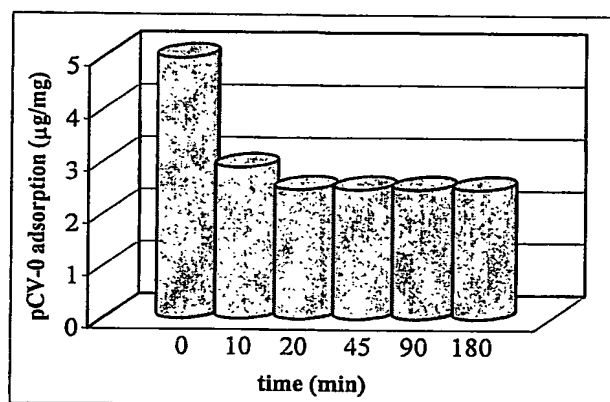


Figure 14. time dependent DNA release from PEG32

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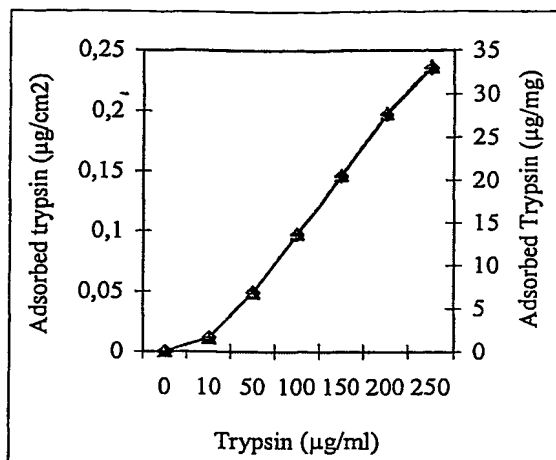


Figure 15. Adsorption of Trypsin on MA7 nanospheres.

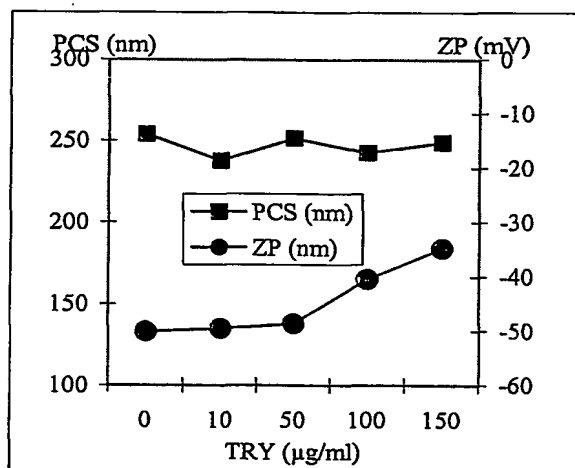


Figure 16. Zeta Potential and Hydrodynamic Diameter variation of Trypsin/MA7 complexes

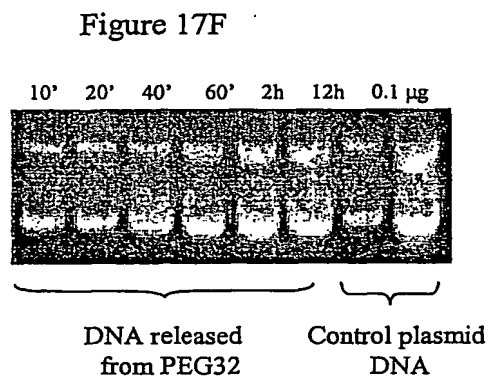
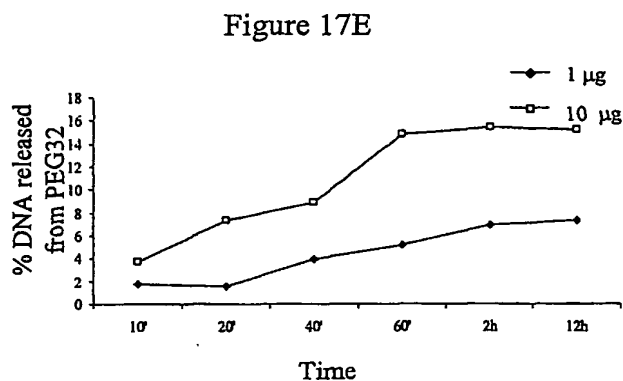
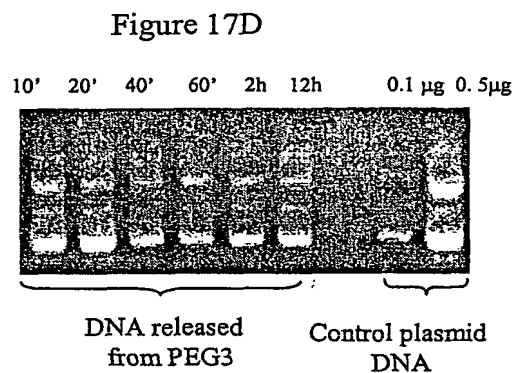
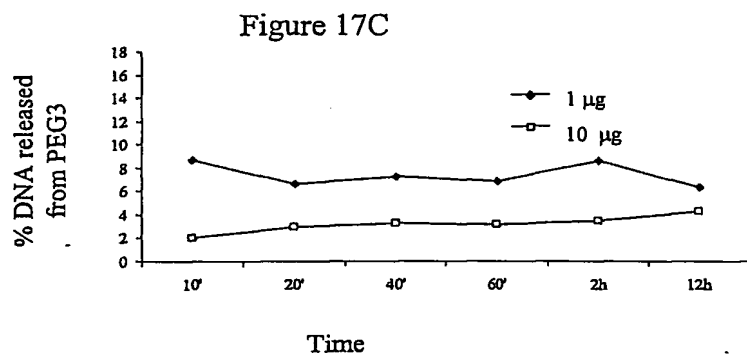
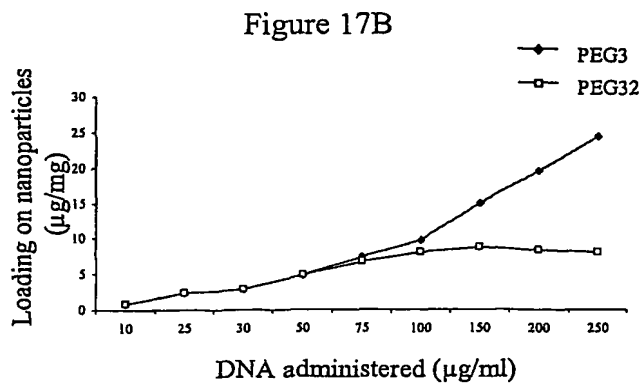
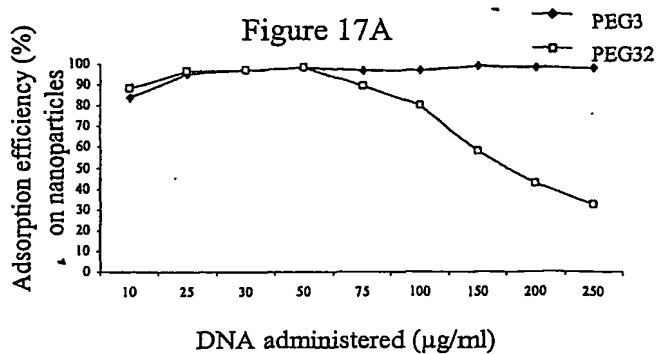


Figure 18

Fig. 18A

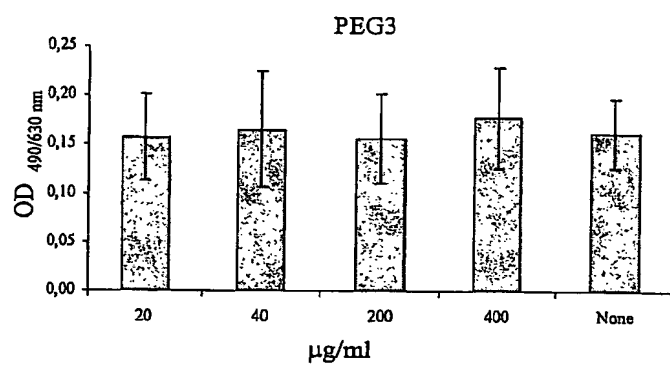


Fig. 18B

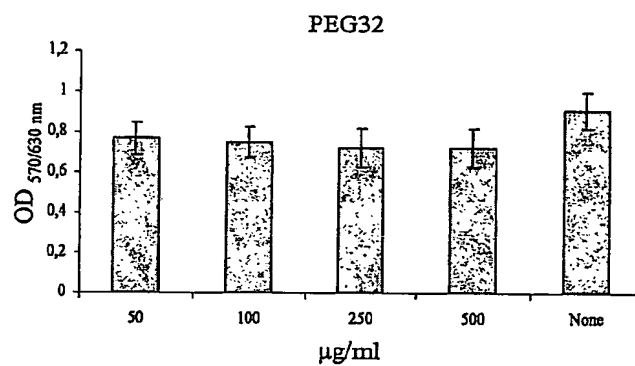


Figure 19

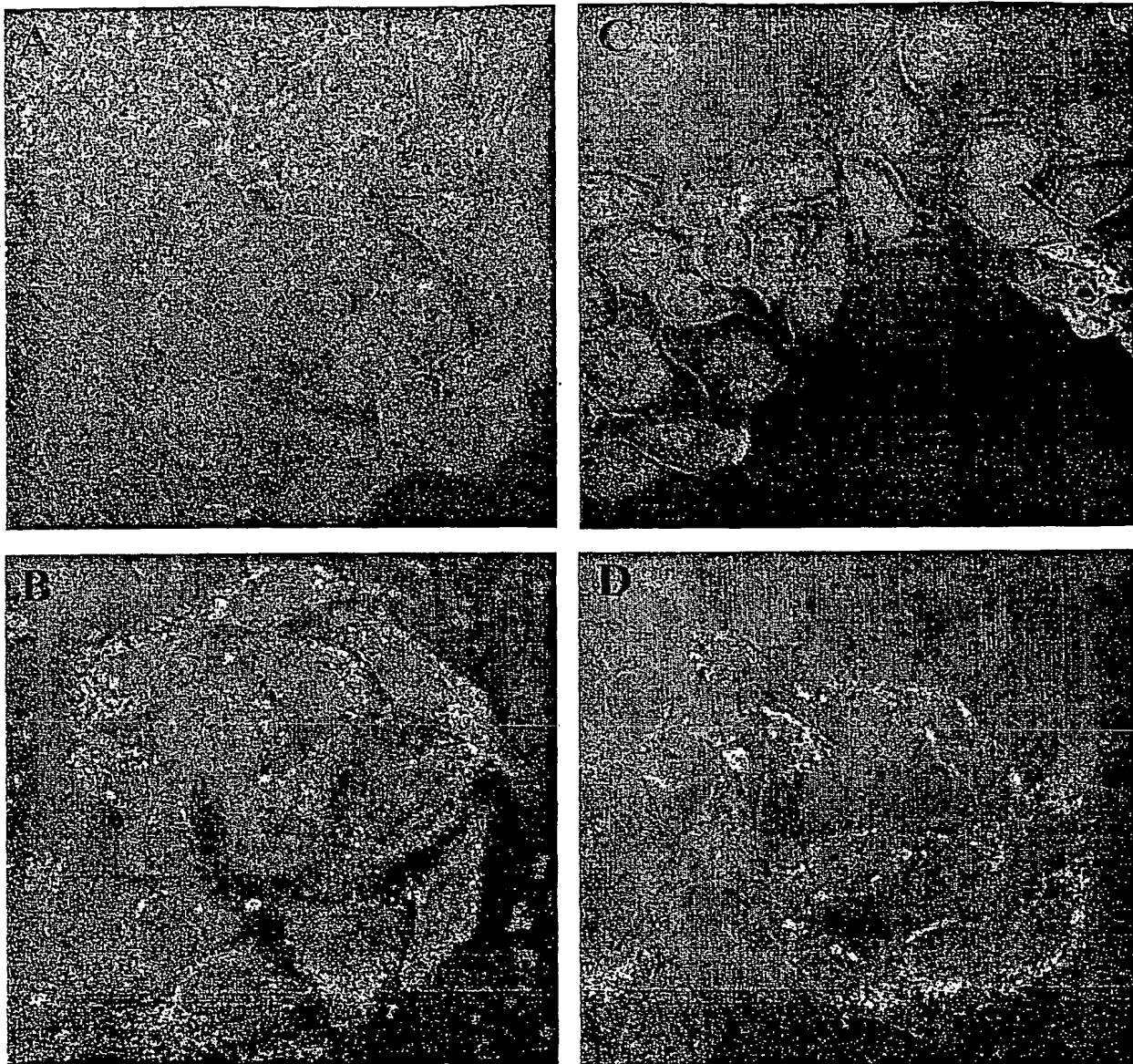




Figure 20

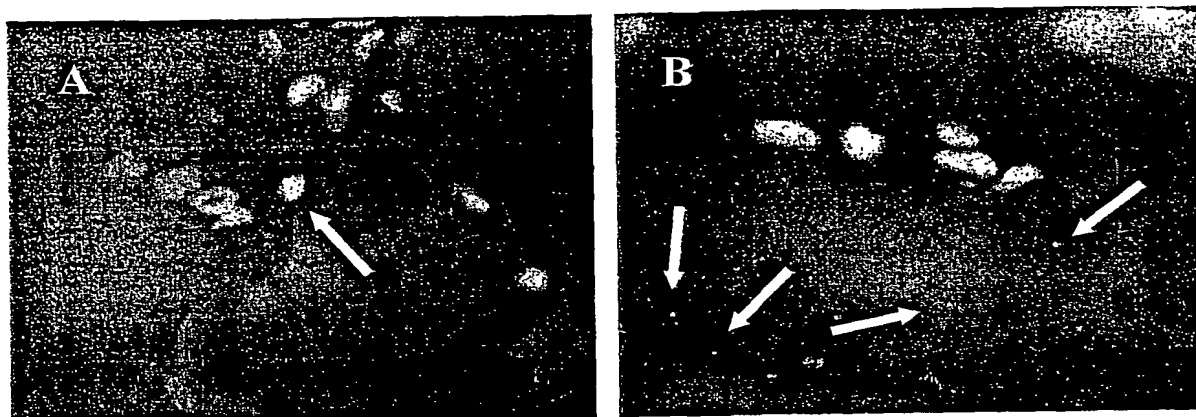


Figure 21

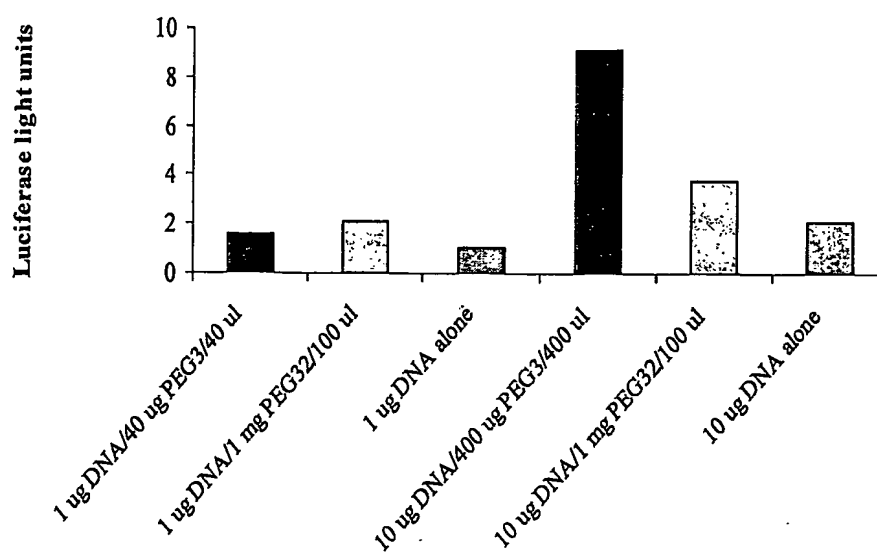
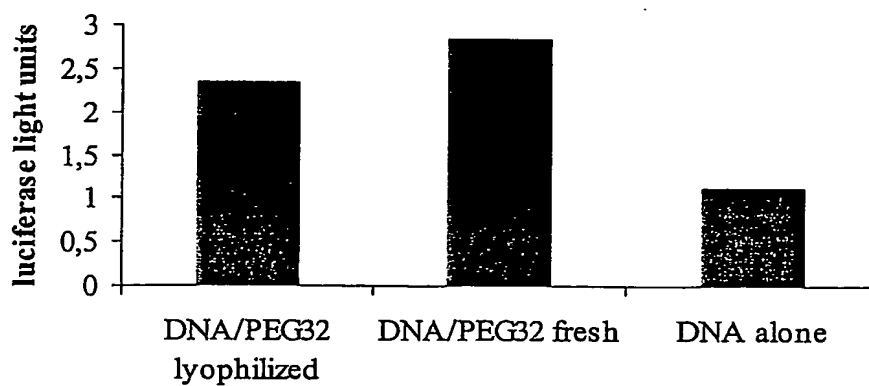
**A****B**

Figure 22

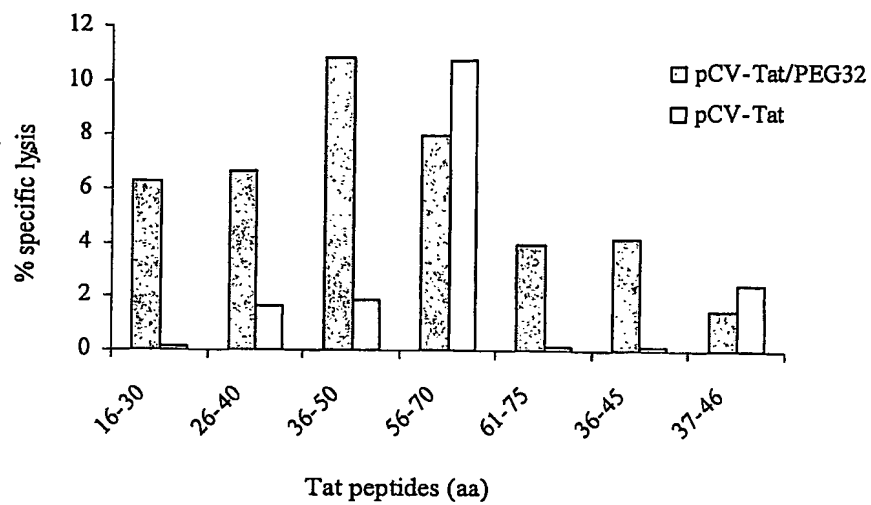
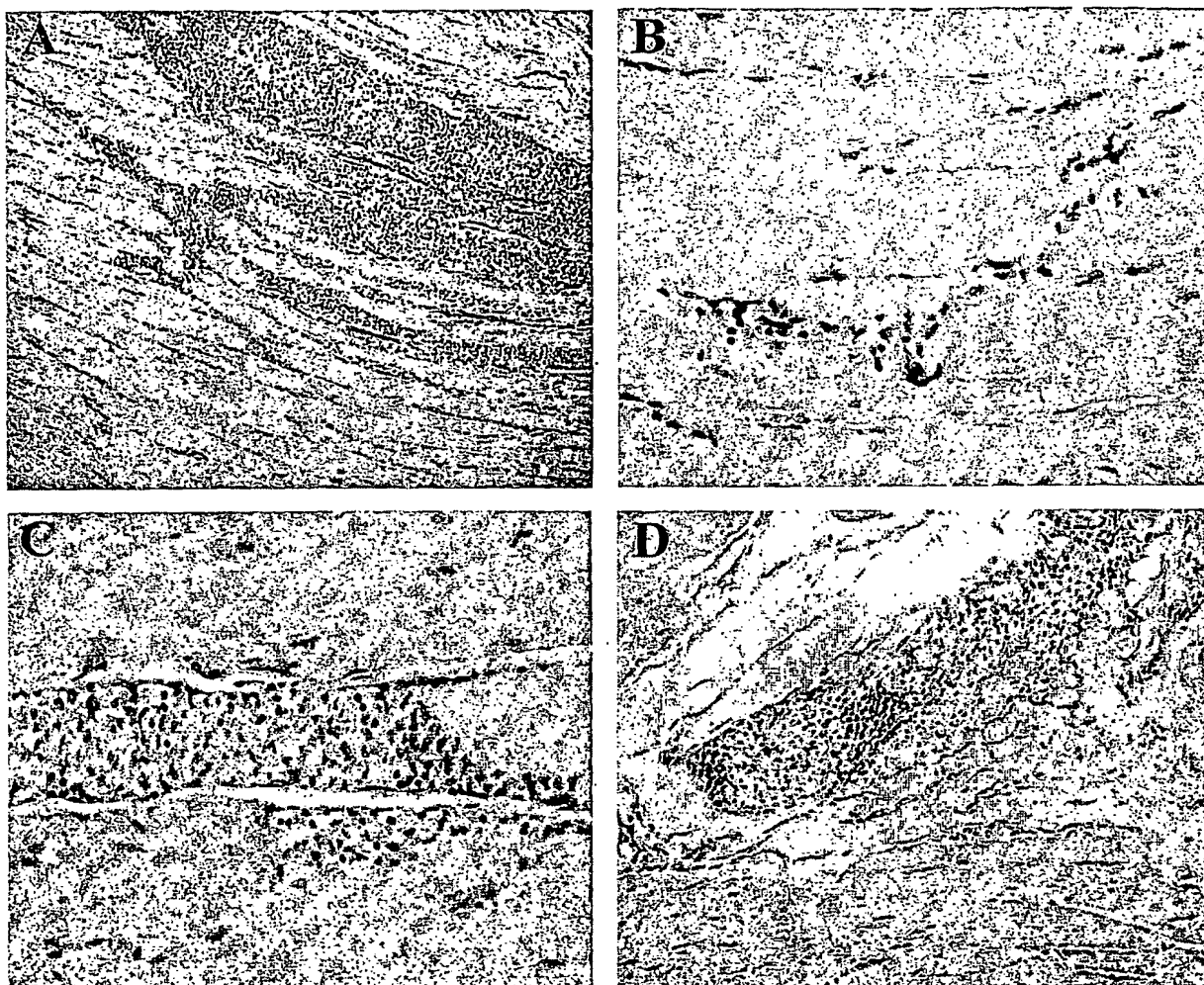


Figure 23



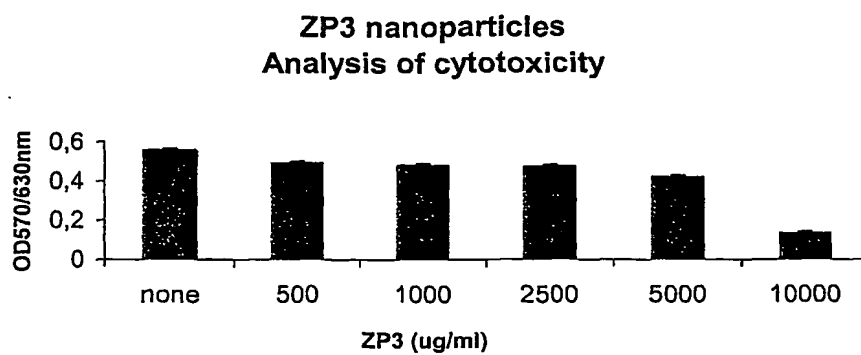


Figure 24. Evaluation of cell proliferation in the presence of ZP3 nanoparticles.

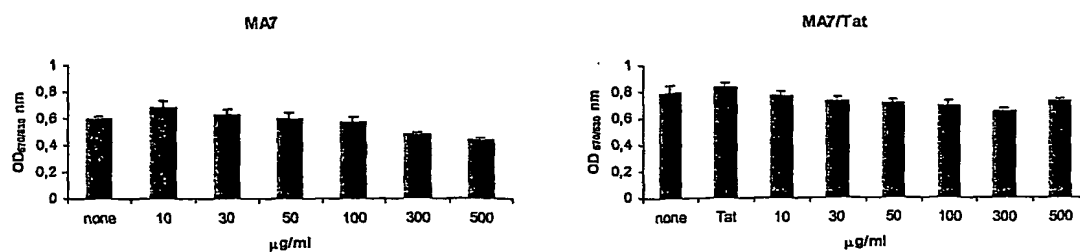


Figure 25

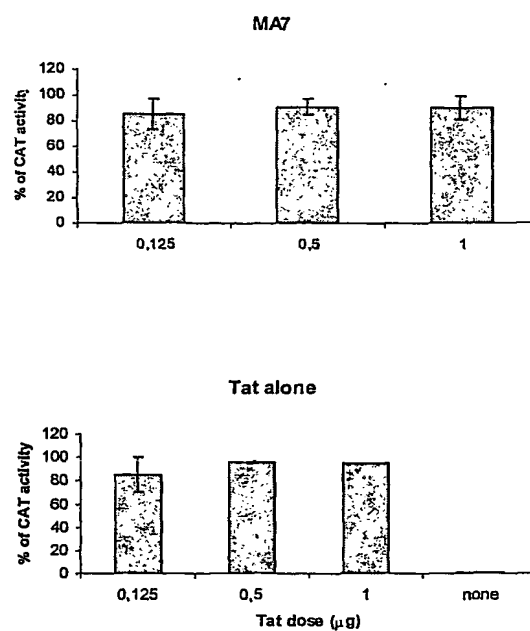


Figure 26